

DOUG JOWETT

Mobile: 0416 028 209

PROFILE

Civil engineer in rail industry with more than 36 years experience in Tram Overhead design and structural design. Having a proven track record in Melbourne Tram network, Doug has worked on major rail projects in Victoria. He is well known in the industry and has a good reputation for the quality of his designs and project delivery. He has a full understanding of best practice OHS culture in the rail environment.

TECHNICAL SKILLS

- Excellent knowledge of the Melbourne tram networks;
- Design, construction and commissioning of OHW systems;
- Project management experience in rail projects;
- Sound knowledge of standards and requirements of Yarra Trams & Mainco;
- Extensive knowledge of Overhead wiring, fittings and support structures;
- Maintenance and construction of Overhead assets for light rail;
- Construction supervision and technical advice in light rail projects;
- Fully developed presentation and negotiation skills;

QUALIFICATIONS & CERTIFICATES

- Associate Diploma Civil Engineering
- Associate Diploma Applied Science - Mathematics
- Train track safety awareness Level 1

PROFESSIONAL MEMBERSHIPS

- Engineers Australia

IT SKILLS

- **CAD Design:** MicroStation, AutoCAD
- **Project Management:** Ms Project
- **Administration:** Ms Office package
- **Programming:** Visual Basic

PROFESSIONAL EXPERIENCE

Self-employed Contractor

2005 - present

Senior Design Engineer

Projects

- Digital Train Radio System Project (MTM / SGC (SGC));
- Brighton Beach Buffer Stops;
- Harbour Esplanade - design review;
- Southbank Depot Stabling Stage B, Montague (Yarra Trams project / Hyder);
- MYKI Project (MTM / SGC);
- Repair of Heritage Tram Overhead Poles in Peel Street, North Melbourne (Yarra Trams);
- Broadmeadows and Frankston station improvement (Mainco / Sterling Group);
- Adelaide Port Road (Coast-to-Coast) Tram Extension (Hyder);
- Southbank Tram Depot Stabling Siding Extension, Montague (Yarra Trams);
- Feasibility study of back propping of structures and excavation procedures associated with new tram platform St. Georges Road, Northcote (Yarra Trams);
- Tram Crossover Overhead Design in Hawthorn Road;
- Repair of Tram Overhead Anchor Mast (Yarra Trams);
- Design of offset tram overhead support poles to avoid conflict with underground services Latrobe Street, William Street Melbourne (Yarra Trams);
- Repair of Train Overhead Anchor Mast (Mainco / SGC);
- Newport Workshops (Mainco / Sterling Group);
- Signal structure condition inspection (Mainco / SGC);
- Graffiti removal (Mainco);
- Birrarung Marr Footbridge Project (Abi Group / SGC);
- Southern Cross Station Project (Leighton / SGC);
- Refurbishment of Concourse Flinders Street Station (Eptec/ Mainco / SGC);
- Kings Street Overpass Removal (FRH / United Group);

Sinclair Knight Merz Pty Ltd, Melbourne, Australia

1998 - 2005

Senior Design Engineer

Projects

- Melbourne University Tram Terminus
- Docklands Drive Project
- Victoria Street / Brunswick Street / Gisborne Street Tram Stops
- Hawthorn Tram Depot
- Camberwell Junction
- Docklands (Stages 1 and 3)
- Flinders Street Tram Loading
- Flinders Street Widening Project

- Exhibition Street / Route 70 Project
- Various Tram Overhead Designs such as: Victoria Gardens Project, Errol Street North Melbourne Streetscape Project (City of Melbourne), Gilbert Road terminus, Cordite Avenue Terminus, Latrobe / William Street intersection rehabilitation, the Dual Conversion of the tram overhead along Glenferrie, Malvern and Toorak Roads, numerous intersection network type designs for Glenferrie / High, Glenferrie / Malvern, Domain / Park, Toorak / Park, Malvern / Burke, Swanston / Franklin, Malvern and Glenhuntly Tram Depots, Moonee Ponds Junction, Mt. Alexander Road, Victoria / Elizabeth, Raleighs / West, Racecourse / Epsom, Union / Epsom, Brunswick / St. Georges, Sydney Road, Barkers Road, Kingsway / Park and Kingsway / Sturt;
- Feeder Design Layouts such as: High Street Feeder run, support bracketry designed for City Link Bridge in Glenferrie Road and Clarendon Street;
- Advisory Role relating to the feasibility of various proposals such as: tram route extension to Box Hill, Auckland Light Rail Diversion, South Melbourne Air Rights, the intersection redesign of Grey Street / Canterbury Road and Fitzroy Street, Collins Street Extension and Station Pier Development;

Public Transport Corporation, Melbourne, Australia
Overhead Design Engineer

1991 - 1998

Projects

- Various Tram Overhead designs for a large number of locations within the Melbourne tram system, encompassed the complete infrastructure design of fixed tension tram overhead including curve networks, hanger and ear, single pendulum, double pendulum and pull off arm suspension systems, tram poles and wall bracket details, underbridge troughing support frameworks, the accommodation of feeder run systems and research into alternative fittings as required. Included amongst these were:
 - City Circle Project;
 - Crown Casino works;
 - Swanston Walk Streetscape;
 - Extensions to Airport West;
 - Burwood Highway Extension;
 - Mill Park tram route;

Maintenance Design Engineer (Structural)

1989 - 1991

Design Engineer, Building Design Section

1986 - 1989

Design Engineer, Overhead Structures

1979 - 1986

Design Engineer, Track & Drainage Office

1976 - 1979